CW#37: Composite Area & Perimeter

Geometry

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

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| You will be able to compute the area of a shaded region created by shapes in other shapes. | |
| Criteria for Success: Did you…   * Find familiar shapes within other shapes * Use the correct area formula for each shape. * Set up an equation for the area of the shaded region that included subtraction * Include units in your answer * Examine your answer: Does it make sense? Does it answer the question? | |
| Find the area of the shaded region.    Area of the shaded region = \_\_\_\_\_\_\_\_\_\_\_ | Find the area of the shaded region if the radius of the circle is 6 in.  Area of the shaded region = \_\_\_\_\_\_\_\_\_\_\_ |
| Find the area of the shaded region. All measurements are given in cm.    Area of the shaded region = \_\_\_\_\_\_\_\_\_\_\_ | Find the area of the shaded region. All measurements are given in inches.    Area of the shaded region = \_\_\_\_\_\_\_\_\_\_\_ |

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| In the figure below, two white congruent circles just fit into the gray circle. What is the area that appears gray?  4 in  Area of the gray region \_\_\_\_\_\_\_\_\_\_ | Find the area of the shaded region.  C:\Users\kramos\Desktop\compsite2.PNG |
| Find the area of the shaded region.  C:\Users\kramos\Desktop\composite3.PNG | C:\Users\kramos\Desktop\composite4.PNGFind the area of the shaded region. |
| Find the area of the shaded region.  C:\Users\kramos\Desktop\compsite6.PNG | The square below is inscribed inside the larger square. Find the area of the shaded area below.  C:\Users\kramos\Desktop\compsoite7.PNG |

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| You will be able to find the perimeter of a composite figure. | |
| Criteria for Success:   * Break the shape into smaller, recognizable shapes * Chose the correct formula to use. * Use addition to find the total perimeter of each shape. * Include units when given. * Examine your answer: Does it make sense? Does it answer the question? | |
| Find the perimeter of the shape below.  ../../../../../Desktop/Screen%20Shot%202015-11-01%20at%201.01.32%20PM  Perimeter: \_\_\_\_\_\_\_\_\_\_\_\_ | Find the perimeter of the shape below.  ../../../../../Desktop/Screen%20Shot%202015-11-01%20at%2012.40.37%20PM  Perimeter: \_\_\_\_\_\_\_\_\_\_\_\_ |
| ../../../../../Desktop/Screen%20Shot%202015-11-01%20at%2012.38.03%20PM  Perimeter = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | ../../../../../Desktop/Screen%20Shot%202015-11-01%20at%2012.40.31%20PM  Perimeter = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| You will be able to find the perimeter of a composite figure…continued. | |
| Criteria for Success:   * Break the shape into smaller, recognizable shapes * Chose the correct formula to use. * Use addition to find the total perimeter of each shape. * Include units when given. * Examine your answer: Does it make sense? Does it answer the question? | Directions:  Complete the following problems in your notebook if you need more room. |
| Find the perimeter of the shape below.  ../../../../../Desktop/Screen%20Shot%202015-11-01%20at%2012.37.26%20PM | Find the perimeter of the shape below.  ../../../../../Desktop/Screen%20Shot%202015-11-01%20at%2012.37.50%20PM |
| Find the perimeter of the shape below.  ../../../../../Desktop/Screen%20Shot%202015-11-01%20at%207.00.08%20PM | Find the perimeter of the shape below.  ../../../../../Desktop/Screen%20Shot%202015-11-01%20at%207.14.12%20PM |